152004			PTO/SB/21 (08-03) Approved for use through 08/30/2003. OMB 0651-0031
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Councit	-	Application Number	10/677,565
TRANSMITTAL		Filing Date	10-02-2003
FORM		First Named Inventor	Jonathan M. Rich
(to be used for all correspondence after initial fi	lina)	Art Unit	
,	3/	Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	SEH 026 P2
	ENCI	OSURES (Check all that	apply)
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement		Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Addre Ferminal Disclaimer Request for Refund CD, Number of CD(s)	to Technology Center (TC) Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): RETURN CARD 2 Non-Patent References
Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	, some		
SIGNAT	URE O	F APPLICANT, ATTORNI	EY, OR AGENT
Firm MATTHEW R. JENKI Individual name			
Signature	N	12	
Date	1 -	27-04	;
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Typed or printed name REBECCA LAI	NTIS	0	
Signature	luce	a Kantis	Date 2-3-04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

Complete if Known					
Application Number	10/677,565				
Filing Date	October 2, 2003				
First Named Inventor	Jonathan M. Rich				
Art Unit					
Examiner Name					
Attorney Docket Number	SEH 026 P2				

		U.S. PAT	ENT DOCUMENTS	
Examiner Initials	 Document Number Number- Kind Code ² (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	us- 2,690,248	09-28-1954	McDowall	
	บร. 2,850,118	09-02-1958	Byers	
	us- 3,042,168	07-03-1962	Binder	
	us- 3,094,194	06-18-1963	Kershner	
	us- 3,198,295	08-03-1965	Fangman et al.	
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	us- 3,412,836	11-26-1968	Wilmer	
	us- 3,491,865	01-27-1970	Stockton	
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	us-3,871,934	03-18-1975	Marin	
	us- 3,885,659	05-27-1975	Smith	
	us-3,927,241	12-16-1975	Augustin	
	us- 3.937.303	02-10-1976	Allen et al.	
	us- 4.027,758	06-07-1977	Gustavsson et al.	7
	us- 4,139,085	02-13-1979	Kanbe et al.	
	us-4,260,047	04-07-1981	Nels	
	 us- 4,267,912	05-19-1981	Bauer et al.	
	us- 4,291,794	09-29-1981	Bauer	
	 us- 4,396,100	08-02-1983	Eltze	
	us- 4.449.621	05-22-1984	F'Geppert	

		FORE	IGN PATENT D	OCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т
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Signature	Considered	

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1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet | 2 of

Complete if Known					
Application Number	10/677,565				
Filing Date	October 2, 2003				
First Named Inventor	Jonathan M. Rich				
Art Unit					
Examiner Name					
Attorney Docket Number	SEH 026 P2				

		U.S. PAT	ENT DOCUMENTS	
Examiner Initials	Cite No. 1 Number - Kind Code ² (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	us- 4,674,616	06-23-1987	Mannino, Jr.	
	us- 4,726,455	02-23-1988	East	
	us- 4,770,283	09-13-1988	Putz et al.	
	us- 4,878,282	11-07-1989	Bauer .	
	us-4,913,267	04-03-1990	Campbell et al.	
	US- 4,917,743	04-17-1990	Gramberger et al.	
	us- 4,995,500	02-26-1991	Payvar	1
	us- 5,038,628	08-13-1991	Kayama	
	us- 5,076,882	12-31-1991	Oyanagi et al.	
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	us-5,101,953	04-07-1992	Payvar	
	us- 5,134,005	07-28-1992	Wada et al.	
	us- 5,143,192	09-01-1992	Vojacek et al.	
	us- 5,176,236	01-05-1993	Ghidorzi et al.	
	us- 5,207,305	05-04-1993	Iverson	
	us- 5,332,075	07-26-1994	Quigley et al.	
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D	us- 5,454,454	10-03-1995	Easton et al.	
	us- 5.460.255	10-24-1995	Quialev	

	FORE	IGN PATENT D	OCUMENTS		
Examiner Initials	Foreign Patent Document _Country Code3 -Number4- Kind Code5 (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
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Examiner	Date	
Signature	Considered	

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¹ Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of

Complete if Known					
Application Number	10/677,565				
Filing Date	October 2, 2003				
First Named Inventor	Jonathan M. Rich				
Art Unit					
Examiner Name					
Attorney Docket Number	SEH 026 P2				

			U.S. PAT	ENT DOCUMENTS	
Examiner Initials		Document Number Number - Kind Code ² (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		us- 5,495,927	03-05-1996	Samie et al.	
		us- 5,551,549	09-03-1996	Cooke et al.	
	ļ	us- 5,566,802	10-22-1996	Kirkwood	
		us- 5,615,758	04-01-1997	Nels	
		us- 5,660,259	08-26-1997	Peng et al.	
		^{US-} 5,669,474	09-23-97	Dehrmann et al.	
	Ţ	US- 5,671,835	-09-30-1997	Tanaka et al.	
		us-5,682,971	11-04-1997	Takakura et al.	
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	Ī	^{US-} 5,799,763	09-01-1998	Dehrmann	
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	1	US- 5,934,435	08-10-1999	Bauer	3114
		us- 5,954,172	09-21-1999	Mori	
·		us- 5.975.260	11-02-1999	Fischer et al.	
***************************************	1	us- 5,998,311	12-07-1999	Nels	

		FORE	IGN PATENT D	OCUMENTS		
Examiner Initials		Foreign Patent Document Country Code 3 -Number 4- Kind Code 5 (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ ^є
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Signature Considered	Signature	
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Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Complete if Known Substitute for form 1449A/PTO **Application Number** 10/677,565 INFORMATION DISCLOSURE October 2, 2003 Filing Date STATEMENT BY APPLICANT **First Named Inventor** Jonathan M. Rich **Art Unit** (use as many sheets as necessary) **Examiner Name** of Attorney Docket Number SEH 026 P2 Sheet 4

			U.S. PATI	ENT DOCUMENTS	
Examiner Initials		Document Number Number- Kind Code ² (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		us- 6,019,205	02-01-2000	Willwerth et al.	
		us-6,035,991	03-14-2000	Willwerth et al.	
		us- 6,036,903	03-14-2000	Kierbel et al.	
	<u> </u>	us- 6,047,806	04-11-2000	Sasse	
		us-6,062,367	05-16-2000	Hirayanagi et al.	
		us- 6,065,579	05-23-2000	Nels	
		∪s-6,135,256	10-24-2000	Han et al.	
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		us-6,170,629	01-09-2001	Suzuki et al.	
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		us- 6,213,273	04-10-2001	Menard et al.	
		us- 6,247,568	06-19-2001	Takashima et al.	
		us-6,273,228	08-14-2001	Otto et al.	
		US- 6,290,046	09-18-2001	Menard-et-al.	
		US- 6,293,382	09-25-2001	Nishide et al.	
		US- 6,345,711	02-12-2002	Sullivan	
		US- 6,370,755	04-16-2002	Wakamori	
, <u></u>		us- 6,397,997	06-04-2002	Kato	
		us- 6,409,006	06-25-2002	Wakamori et al.	
		us- 6,439,363	08-27-2002	Nels	

	FOREIGN PATENT DOCUMENTS						
Examiner Initials		Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6	
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Sheet 5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

Complete if Known					
Application Number	10/677,565				
Filing Date	October 2, 2003				
First Named Inventor	Jonathan M. Rich				
Art Unit					
Examiner Name					
Attorney Docket Number	SEH 026 P2				

		U.S. PAT	ENT DOCUMENTS	
Examiner Initials	Document Number Number- Kind Code ² (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US- 6.454.072 US- 6.497.312	09-24-2002 12-24-2002	Merkel et al.	
	 US- 6,499,579 US- 6,557,685	12-31-2002 05-06-2003	Ono et al. Hattori	
	 US-6,581,740 US-6,601,684	06-24-2003 08-05-03	Szalonv Collis et al	
	 US-		Comserat	0.0000000000000000000000000000000000000
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	FORE	EIGN PATENT D	OCUMENTS		
Examiner Initials	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (// known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т6
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of Sheet 6

Complete if Known				
Application Number	10/677.565			
Filing Date	October 2, 2003			
First Named Inventor	Jonathan M. Rich			
Group Art Unit				
Examiner Name				
Attorney Docket Number	SEH 026 P2			

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		Select Powertrain Technologies. Design Review of Daimler Chrysler TCC Carbon Friction Facing. 19 Nov. 2001.	
		Select Powertrain Technologies Corp. Tremec – Select Open Issue. 2 Feb. 2002.	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Inventor(s)

Jonathan M. Rich, et al.

Serial No.

10/677,565

Filed Title

October 2, 2003 FRICTION FACING

MATERIAL FOR **USE IN A FRICTION**

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Group

Docket

SEH 026 P2

Commissioner for Patents P.O. Box 1450

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INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97(b)

Pursuant to the provisions of 37 CFR §1.97(b), Applicant(s) wishes to disclose the materials listed below and on the attached form PTO/SB/08A which the Examiner may find relevant to the examination of the above-identified patent application. Copies of the non-patent references are enclosed herewith.

Patent No.	Issued	Inventor	Title
2,690,248	9/28/54	McDowall	Clutch Plate With Grooves For
			Lubricant or Coolant
2,850,118	9/2/58	Byers	Brake Having a Non-Fusing Brake
			Element
3,042,168	7/3/62	Binder	Friction Coupling
3,094,194	6/18/63	Kershner	Friction Device
3,198,295	8/3/65	Fangman et al.	Friction Couple Cooling Device
3,250,349	5/10/66	Byrnes et al.	Disc Brake
3,412,836	11/26/68	Wilmer	Friction Disc of Segmented Elements
3,491,865	1/27/70	Stockton	Clutch Structure With Segmented
			Clutch Plates
3,534,842	10/20/70	Davison, Jr.	Lubricated Friction Device

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3,871,934	3/18/75	Marin	Resurfacing Brake Discs
3,885,659	5/27/75	Smith	Segmental Friction Member For Brake
			Or Clutch
3,927,241	12/16/75	Augustin	Friction Elements Running In Oil
3,937,303	2/10/76	Allen et al.	Friction Plates
4,027,758	6/7/77	Gustavsson et al.	Wet Disc Clutch And Method Of Force
			Cooling The Same
4,139,085	2/13/79	Kanbe et al.	Dry Disc-Type Clutch
4,260,047	4/7/81	Nels	Friction Disc and Method of Making
			Same
4,267,912	5/19/81	Bauer et al.	Synchronizing Ring
4,291,794	9/29/81	Bauer	Power Transmission and Energy
			Absorbing Systems
4,396,100	8/2/83	Eltze	Friction Lining For Multiple-Disk
			Clutches Or Multiple-Disk Brakes
4,449,621	5/22/84	F'Geppert	Segmented Clutch Plates
4,674,616	6/23/87	Mannino, Jr.	Friction Disc With Segmented Core
			Plate and Facings
4,726,455	2/23/88	East	Clutch Facings
4,770,283	9/13/88	Pütz et al.	Friction Ring for Clutches or Brakes,
			and a Method and Device For
			Producing the Friction Ring
4,878,282	11/7/89	Bauer	Method For the Production of Friction
			Plates, Synchronizing Blocker Rings or
			Similar Structures
4,913,267	4/3/90	Campbell et al.	Vehicle Disc Brakes Of The Liquid
			Cooled Type
4,917,743	4/17/90	Gramberger et al.	Method For Manufacturing a Friction
			Ring Having a Conical or Cylindrical
			Friction Surface

4,995,500	2/26/91	Payvar	Groove Pattern For High Thermal Capacity Wet Clutch
5,038,628	8/13/91	Kayama	Synchronizer Ring For Synchronous
			Meshing Type Speed Change Gear
5,076,882	12/31/91	Oyanagi et al.	Shaping Apparatus For a Synchronizer
			Ring
5,094,331	3/10/92	Fujimoto et al.	Wet-Type Multiplate Clutch
5,101,953	4/7/92	Payvar	High Capacity Viscous Pumping
			Groove Pattern For a Wet Clutch
5,134,005	7/28/92	Wada et al.	Friction Element For Operating in Fluid
5,143,192	9/1/92	Vojacek et al.	Friction Clutch or Friction Brake
5,176,236	1/5/93	Ghidorzi et al.	Facing Material For Wet Clutch Plate
			and Methods For Fabricating and
			Applying Same
5,207,305	5/4/93	Iverson	Method and Apparatus For
			Incorporating Hydrodynamic Film to
			Transfer or Retard Motion and
			Dissipate Heat
5,332,075	7/26/94	Quigley et al.	Friction Disc With Segmented Friction
			Facing
5,335,765	8/9/94	Takakura et al.	Wet-Type Friction Member With
			Grooves Shaped For Improved Oil Film
			Removing Effect
5,439,087	8/8/95	Umezawa	Wet-Type Multi-Plate Frictional
			Engagement Apparatus
5,454,454	10/03/95	Easton et al.	Polygonal Friction Disk and Method
5,460,255	10/24/95	Quigley	Universal Segmented Friction Clutch
			Facing
5,495,927	3/5/96	Samie et al.	Controlled Cooling Apparatus For
			Torque Transfer Devices

5,551,549 5,566,802	9/3/96 10/22/96	Cooke et al. Kirkwood	Friction Facing and Carrier Assembly Continuous Slip Hydrokinetic Torque Converter Clutch Interface With Circuitous Grove For Cooling and
			Wetting Clutch Interface Zone
5,615,758	4/1/97	Nels	Fabric Arrangement and Method For
5,660,259	8/26/97	Peng et al.	Controlling Fluid Flow Groove Structure of Wet-Type Friction
0,000,200	0/20/07	r ong ot al.	Engaging Element
5,669,474	9/23/97	Dehrmann et al.	Hydrodynamic Torque Converter With
			Lock-Up Clutch
5,671,835	9/30/97	Tanaka et al.	Wet Friction Member
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			Cooling
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Select Powertrain Technologies. *Design Review of Daimler Chrysler TCC Carbon Friction Facing.* 19 Nov. 2001. A disclosure of November 19, 2001, showing groove design having features as shown on pages 3 – 8, and groove dimension calculations on pages 9 and 10.

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The filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56(b). By filing this statement, Applicant(s) is not making any representation as to whether any of the references referred to herein are material. Further, Applicant(s) cites these references without prejudice, and Applicant(s) reserves the right to contest the status of these references as prior art.

Although Applicant(s) believes that no fee is required by filing this statement, the Commissioner is authorized to charge any required fee to **Deposit Account 50-1287**. (Should **Deposit Account 50-1287** be deficient, please charge any further deficiencies to Deposit Account 10-0220).

Respectfully submitted,

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